

INTERNATIONAL APPLICATION PCT/ES 02/00459

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Title of invention : FLEXIBLE, ANTI-SKID FLOOR COMPRISING WOOD AND RUBBER.-

DOCUMENT : DESCRIPTION.- TRANSLATED INTO ENGLISH.-

BRIEF REVIEW

The invention relates to a floor, with a regular tyle shape, which enables to have it mounted on flat o curved sub-floors, not requiring glue or any auxiliary material for assembling purposes.-

GENERAL REVIEW OF THE PRESENT TECHNIQUE ON FLOORS.-

At present, there are several types of floors, that can be assembled only in flat sub-floors, such as multilaminated in wood and plastic, in various lenght and shapes, boards, and floating floors, this last one on top of a plastic soft sheet.- In any case, additional elements and tools are required, as a complement for binding the floor to the sub-floor.- Some floors have dove tails for mounting, which requires close machining tolerances.- Besides, it is requerid a certain skill to have them assembled, because they must be adjusted, nailed, or fastened, and wooden pegs inserted.-

The invention solves the whole asseby process, by eliminating all additional operations, including hand works and materials.- The sub-floor can be flat or somewhat curved.- It so happen because the tyles of the invention comprise a rubber base plate, to which several wooden squares are glued.- The wood squares do not touch each other.- The wood block become the walking pass.-

AIMS OF THE INVENTION

The aims of the invention, are achived by gluing on top of a rubber plate the size of a tyle, many small square wooden blocks, which are enough apart from each other, to live an space, or slot, between each two wood squares.- The slot allows the rubber plate to remain flexible, acting like a hinge.-

Because of the anti-skid property of the rubber of the tyle, which is laying on top of the sub-floor, the tyle is unable to skid.-

Because of the slots between square wood blocks, the top of the tyle becomes a anti-skid surface to the transit.-

No glue is required to assemble the tyles, one next to the other, on the sub-floor.-

When it is neccesary to adjust to projections coming out from the sub-floor, wood squares can be removed by cutting the rubber with a sharp knife.-

SOME EXPLANATION ON DRAWINGS

For a better undertanding of the invention, two drawings show how the invention is :

Drawing N° 1: Is a perspective view of the tyles, such as they are conforming a floor.-

Drawing N° 2: Is a top view of one tyle of the floor.-

In both drawings, same numbers belong to same parts.-

The parts are as follows :

Part number	Part description
1	tyle
2	rubber plate
3	glue
4	wood blocks
5	slots
6	dashed line which indicates a possible slots where to cut the rubber to remove wood blocks.-